

CHIP SWAPPING CHART

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TROUBLESHOOTING GUIDE FOR THE: APPLE II AND APPLE II PLUS

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FAILURE:

PROBABLE CAUSE:

Dead Apple System (Power Light Off)

Defective Power Supply

Dead Apple System (Power Light On)

Replace the following ICs
 B2-74S86 B1-74S175
 C2-74S195 A2-74LS00
 C1-74LS153 B13-74LS02

No RESET or No Response

Replace the following ICs
 System RAM rows C,D and E
 System ROM rows F3 thru F11
 F12-74LS138 H1-74LS08
 B5-74LS174 B8-74LS174
 B6-74LS257 B7-74LS257
 H3-H4-H5-8T97 H14-74LS251
 H10-h11-8T28 H8-6502
 B11-74LS08 C14-74LS32
 F13-74LS138 F14-9334
 E11-E12-E13-74LS153
 A13

Rom Problems

Replace the following ICs
 System ROM F3-F11
 F12-74LS13 H1-74LS08

Ram Problems

Replace the following ICs
 System Ram Row C,D and E
 E11-E12-E13-74LS153
 E2-74LS139 F2-74LS139
 H1-74LS08 D2-74LS20
 A2-74LS00 C14-74LS32
 B5-B8-74LS174

No Video (Speaker does Beep)

Replace the following ICs
 C2-74S195 B13-74LS02
 A2-74LS00 C11-74LS04
 D11-D12-D13-D14-74LS161
 B10-74LS74 A9-74LS151
 A10-74LS194 A8-74LS257
 B2-74S86

No Text Mode

Replace the following ICs
 A9-74LS151 B2-74S86
 A3-74166 A5-1513
 A10-74LS194 A8-74LS257

HIRES or LORES Problem

Replace the following ICs
F14-9334 A9-74LS151
A10-74LS194 A8-74LS257
B4-B9-74LS194 A11-74LS74
B10-74LS74 C12-74LS257
J1-74LS257 H1-74LS08
C11-74LS04

Dark Screen

Replace the following ICs
B1, B2, A2, C1, C2

V or H SYNC Fails

Replace the following ICs
D12, D13, D14, C13, C14, D11

Wrong Page or Video Mode

Replace the following ICs
F14, E11, E12, E13, E14
H1, J1, C12, C11, B12, B13,
B5, B8, B11, F2

Wrong or Bad CHRS

Replace the following ICs
A5, A3, B6, B7, B5, B8

Bad Cursor

Replace the following ICs
B2, B11, B13, A3, COMP'S AT
B3

Bad Graphics

Replace the following ICs
B4, B9, A8, A9, A10, A11
Also try "WRONG PAGE OR
VIDEO MODE"

No Color

Replace the following ICs
C13, B12, B13, COIL L1, CAP
C2, AND C3

Game Paddles Problem

Replace the following ICs
H13-558 H14-74LS251
F13-74LS138

Cassette Loading Problem

Replace the following ICs
K12-741 OP AMP
H14-74LS251 F13-74LS138

Cassette Saving Problem

Replace the following ICs
K13-74LS74 F13-74LS138

Speaker Problem

Replace the following ICs
K13-74LS74 F13-74LS138

Keyboard Problem

Replace the following ICs
B6-B7-74LS257 B10-74LS74
A12-74LS02 C11-74LS04
F13-74LS138

Peripheral Card in Slot Won't Work

Replace the following ICs
H2-H12-74LS138
